

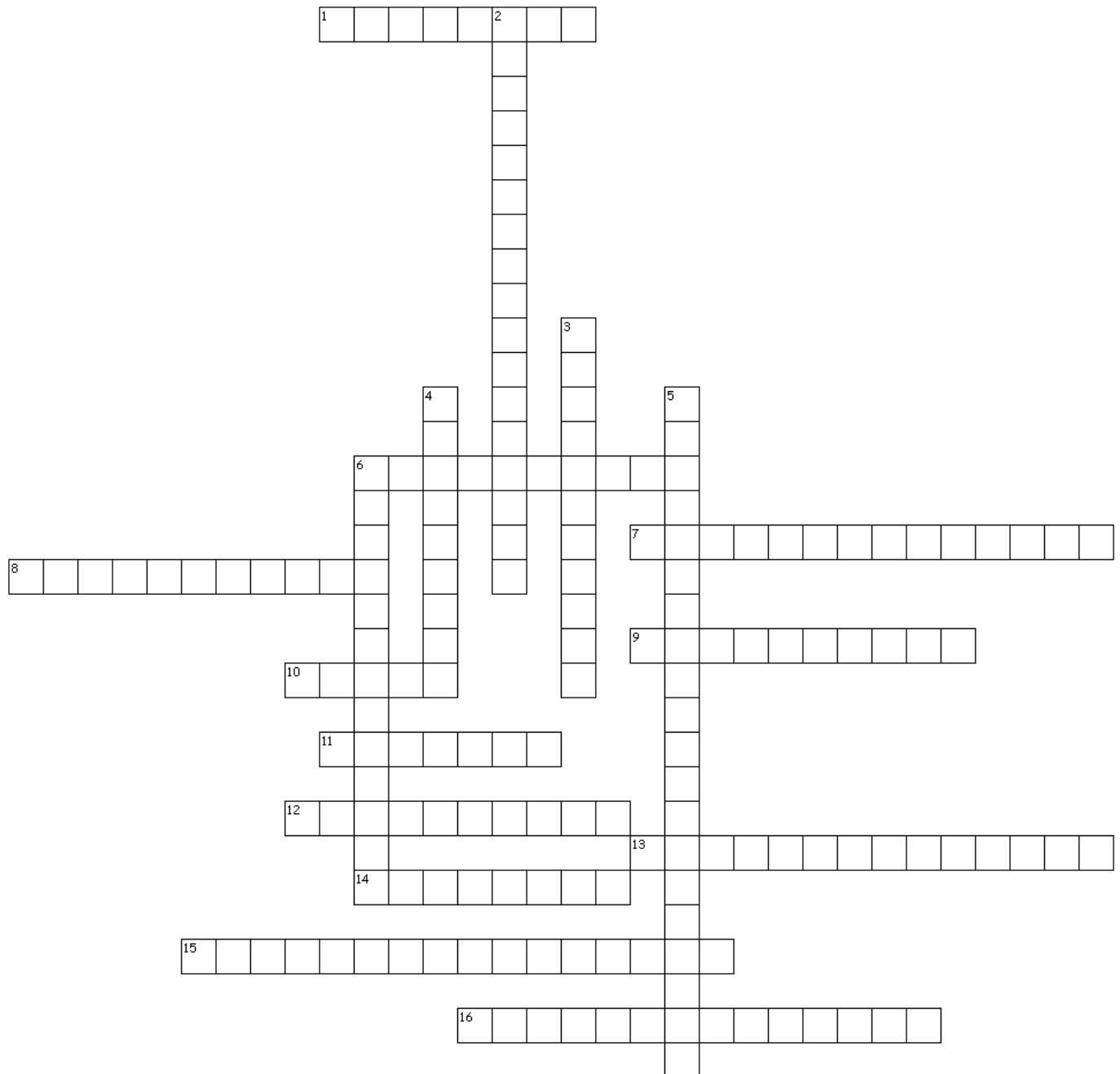


Monitoring the Water Quality of Manchester's Urban Ponds: A Crossword Puzzle



Words in this Puzzle

Analyze, Bathymetric Map, Classify, Color, Dissolved Oxygen, Fathometer, Flow Meter, Integrated Sampler, Kemmerer Bottle, Lay Monitors, Limnologist, Nitrogen, Phosphorus, Phytoplankton Net, Secchi Disk, Topographic Map



Across

1. To categorize lakes on the basis of the results of a series of tests
6. Nutrient element primarily responsible for eutrophication, an important plant nutrient
7. A map that uses lines to show the high and low elevations of the land
8. A scientist who studies fresh water lakes and ponds
9. A twenty-centimeter diameter disk with alternate black and white quadrants that is used to determine the transparency of a lake
10. One of the tests performed on a lake to determine water quality, color can be an indication of the presense of metals or organic substances
11. To examine in detail
12. An electric instrument that is used to measure the depth of a lake
13. A specifically designed bottle used to collect water samples at various depths in a lake
14. A nutrient that is essential for growth of plants
15. A piece of equipment used to collect phytoplankton and zooplankton samples
16. Map that records the various depths of a lake in contour form

Down

2. A piece of equipment used by limnologists to collect water samples for chlorophyll-a analysis
3. Non-scientists that assist in tracking the water quality of a waterbody
4. Instrument that measures the rate of water flow in a stream
5. Instrument that records the concentration of dissolved oxygen per liter of water at any desired depth
6. The microscopic algae that live in lakes or ponds